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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: IMAMURA, et al.

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Serial No.: 09/121,017

-OCT 22 2001

Filed: July 22, 1998

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For: **HEPARIN-BINDING PROTEINS MODIFIED WITH SUGAR CHAINS, METHOD OF PRODUCING THE SAME AND PHARMACEUTICAL COMPOSITIONS CONTAINING THE SAME**

Examiner: D. Saunders (Art Unit:1644)

BOX AF

Assistant Commissioner for Patents
Washington, DC 20231

October 18, 2001

AMENDMENT UNDER 37 C.F.R. 1.116

Sir:

In response to the Office Action dated June 18, 2001, please amend this application as follows:

IN THE CLAIMS:

✓ Please amend claims 1, 4, 5, 6, 14, 16, 18 and 20 as follows:

1. (Twice Amended) A heparin-binding protein comprising a covalently bonded sugar chain, said sugar chain selected from the group consisting of a sulfated polysaccharide, a glycosaminoglycan, an O-linked sugar chain and combinations thereof, wherein the residual activity of the heparin-binding peptide for the intended medical use is increased by adding the covalently bonded sugar chain.

4. (Twice Amended) The heparin-binding protein of claim 1, wherein the sugar chain is covalently bonded through a peptide to which the sugar chain can be added.